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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	DEC 01	ChemPort single article sales feature unavailable
NEWS 3	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS 4	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS 5	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS 6	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS 7	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS 8	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS 9	JUL 27	CA/CAplus enhanced with new citing references
NEWS 10	JUL 16	GBFULL adds patent backfile data to 1855
NEWS 11	JUL 21	USGENE adds bibliographic and sequence information
NEWS 12	JUL 28	EPFULL adds first-page images and applicant-cited references
NEWS 13	JUL 28	INPADOCDB and INPAFAMDB add Russian legal status data
NEWS 14	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 15	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 16	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 17	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 18	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 19	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 13:47:19 ON 29 SEP 2009

=> FILE REG
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.22 0.22

FILE 'REGISTRY' ENTERED AT 13:47:41 ON 29 SEP 2009
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STRUCTURE FILE UPDATES: 27 SEP 2009 HIGHEST RN 1186379-81-6
DICTIONARY FILE UPDATES: 27 SEP 2009 HIGHEST RN 1186379-81-6

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on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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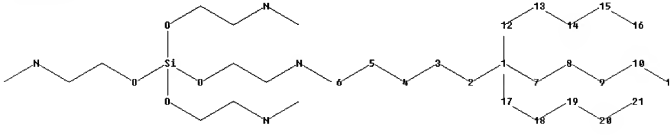
Uploading C:\TDH PTA\Application Examination\Series 10\10 588187\STN\STN 10 588187 092909Aa.str



chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
chain bonds :
1-2 1-7 1-12 1-17 2-3 3-4 4-5 5-6 7-8 8-9 9-10 10-11 12-13 13-14 14-15 15-16 17-18 18-19 19-20 20-21
exact/norm bonds :
2-3 4-5 5-6 7-8 9-10 10-11 12-13 14-15 15-16 17-18 19-20 20-21
exact bonds :
1-2 1-7 1-12 1-17 3-4 8-9 13-14 18-19

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Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS
18:CLASS  19:CLASS  20:CLASS  21:CLASS



L1      STRUCTURE UPLOADED

=> D
L1 HAS NO ANSWERS
L1              STR
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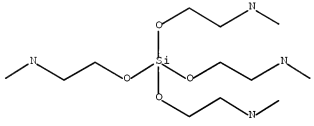


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Structure attributes must be viewed using STN Express query preparation.


=> S L1 SSS SAM
SAMPLE SEARCH INITIATED 13:48:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       37 TO ITERATE

100.0% PROCESSED       37 ITERATIONS                                2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          376 TO     1104
PROJECTED ANSWERS:               2 TO      124

L2            2 SEA SSS SAM L1

=> S L1 SSS FULL
FULL SEARCH INITIATED 13:48:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      887 TO ITERATE

100.0% PROCESSED      887 ITERATIONS                               18 ANSWERS
SEARCH TIME: 00.00.01

L3           18 SEA SSS FUL L1

=> FILE CAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   185.88     186.10

FILE 'CAPLUS' ENTERED AT 13:48:12 ON 29 SEP 2009
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FILE COVERS 1907 - 29 Sep 2009 VOL 151 ISS 14
FILE LAST UPDATED: 28 Sep 2009 (20090928/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 9.

=> S L3
L4 37 L3

=> D L4 1-37 IBIB ABS HITSTR

L4 ANSWER 1 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:513536 CAPLUS Full-text
DOCUMENT NUMBER: 145:19143
TITLE: Semiconductor device fabrication and substrate treatment apparatus
INVENTOR(S): Sano, Atsushi; Horii, Sadayoshi; Itatani, Hideharu; Yamamoto, Katsuhiko
PATENT ASSIGNEE(S): Hitachi Kokusai Electric Inc., Japan
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006057400	A1	20060601	WO 2005-JP21855	20051129
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

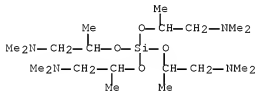
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

US 20080032514 A1 20080207 US 2007-791222 20070629
PRIORITY APPLN. INFO.: JP 2004-344755 A 20041129
WO 2005-JP21855 W 20051129

AB A high quality semiconductor device is manufd. by controlling the metal/Si concentration ratio in high-k metal silicate films. The process involves controlling the feed rate ratio between a metal-containing 1st reactant and a Si/N-containing 2nd reactant in a reaction chamber to control the metal/Si concentration ratio in the metal silicate film which is deposited on a substrate. The 1st and 2nd reactants may be Hf(OCMeCH2OMe)4 and Si(OCHMeCH2NMe2)4, resp., for improved controlling in Hf/Si ratio, even varied concentration distribution through film thickness direction in the HfSiO films.

IT 28911-46-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(semiconductor device fabrication and substrate treatment apparatus by MOCVD deposition of hafnium silicate films)

RN 28911-46-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)-1-methylethyl] ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:1004690 CAPLUS Full-text
DOCUMENT NUMBER: 143:316927
TITLE: Alkoxide compound, raw material for thin film formation and process for producing thin film
INVENTOR(S): Sato, Hiroki; Sakurai, Atsushi
PATENT ASSIGNEE(S): Asahi Denka Co., Ltd., Japan
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

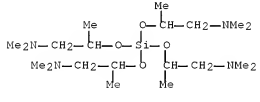
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2005085175 A1 20050915 WO 2005-JP2118 20050214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
CN 1914150 A 20070214 CN 2005-80004018 20050214
DE 112005000134 T5 20070215 DE 2005-112005000134 20050214
US 20090035464 A1 20090205 US 2006-588187 20060802
KR 2006111694 A 20061027 KR 2006-716119 20060810
PRIORITY APPLN. INFO.: JP 2004-41427 A 20040218
WO 2005-JP2118 W 20050214
OTHER SOURCE(S): MARPAT 143:316927

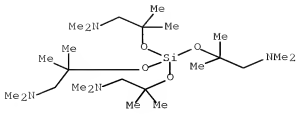
AB An alkoxide compd. is described, that is represented by the following general formula M[OCR1R2ANR3R4]n, where one of R1 and R2 is a C1-C4 alkyl while the other is a H atom or C1-C4 alkyl; each of R3 and R4 is a C1-C4 alkyl; A is a C1-C8 alkanediyl; M is a Si or Hf atom; and n is 4, and is suitable to a raw material for thin film formation for use in a process of thin film formation though compound evaporation, such as CVD process. Further, there is provided a raw material for thin film formation comprising the above alkoxide compound Still further, there is provided a process for producing a thin film, comprising vaporizing the above raw material for thin film formation to thereby obtain a vapor containing the alkoxide compound, introducing the vapor onto a substratum, and performing decomposition and/or chemical reaction thereof to thereby form a thin film on the substratum.

IT 28911-46-8P 864656-16-6P
RL: NUU (Other use, unclassified); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(alkoxide compound, raw material for thin film formation and process for producing thin film)

RN 28911-46-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)-1-methylethyl] ester (9CI) (CA INDEX NAME)



RN 864656-16-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)-1,1-dimethylethyl] ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

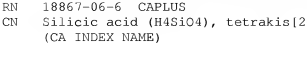
L4 ANSWER 3 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:972041 CAPLUS Full-text
DOCUMENT NUMBER: 140:17633
TITLE: Alkylaminosiloxanes as corrosion inhibitors
INVENTOR(S): Piccinelli, Piero; Gardi, Stefano; Da Roit, Giovanni
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Specialty Chemicals S.p.A.
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003101947	A2	20031211	WO 2003-EP5372	20030522
WO 2003101947	A3	20040219		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2484332	A1	20031211	CA 2003-2484332	20030522
AU 2003242559	A1	20031219	AU 2003-242559	20030522
EP 1509534	A2	20050302	EP 2003-755935	20030522
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005528484	T	20050922	JP 2004-509641	20030522
US 20050176596	A1	20050811	US 2004-516128	20041129
US 7498293	B2	20090303		

PRIORITY APPLN. INFO.: EP 2002-405441 A 20020531
WO 2003-EP5372 W 20030522
OTHER SOURCE(S): MARPAT 140:17633

AB The instant invention discloses a compn. comprising a carrier, preferably a packaging material, and ≥1 silane corrosion inhibitors for protecting metallic surfaces. Thus, 60 g 1-dodecene and 62.7 g trichlorosilane were reacted in the presence of 3 mL 2% hexachloroplatinic acid solution to give 90 g trichlorododecylsilane, 60 g of which was reacted with 87.5 g N,N-diethylaminoethanol to give tri(N,N-diethylaminoethoxy)dodecylsilane showing good corrosion inhibition against a steel specimen.

IT 18867-06-6P
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); PREP (Preparation); USES (Uses)
(preparation of alkylaminosiloxanes as corrosion inhibitors)
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



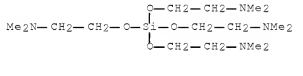
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:355636 CAPLUS Full-text
DOCUMENT NUMBER: 131:20307
TITLE: Aqueous polyester dispersions with stable viscosity, their preparation and use as binders for water-thinned coatings
INVENTOR(S): Weinberger, Manfred; Billiani, Johann
PATENT ASSIGNEE(S): Vianova Resins A.-G., Austria; Surface Specialties Austria GmbH
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 919587	A1	19990602	EP 1998-122211	19981123
EP 919587	B1	20040211		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6008291	A	19991228	US 1998-190443	19981113
AT 259393	T	20040215	AT 1998-122211	19981123
PRIORITY APPLN. INFO.:			AT 1997-2018 A	19971128
			EP 1998-122211 A	19981123

AB The dispersions contain (1) a polyester resin contg. acid groups, (2) NH3, an amine, an alkali, or an alkaline earth metal hydroxide as neutralizing agent in 10-200% excess over that required to neutralize the acid groups of 1, (3) optionally organic cosolvents, (4) an aqueous SiO2 dispersion in the amount of 0.1-50% of the amount of polyester, and (5) water. Thus, 420 parts of an acrylate-modified alkyd resin (acid number 50 mg/g) as an 87% solution in BuOCH2CH2OH was dispersed in a solution of 19.5 parts 25% NH4OH and 48.5 parts Klebosol R 30 (30% aqueous SiO2 dispersion) in 512 parts H2O to give a dispersion (pH 8.4, 38% solids) with viscosity 8500 mPa-s initially and 8400 mPa-s after 18 mo at room temperature in a closed container, whereas in the absence of the SiO2 the viscosity dropped from 9000 to .apprx.2000 mPa-s during similar storage.
IT 18536-49-7D, Tetrakis[2-(dimethylamino)ethoxy]silane, hydrolyzed

RL: MOA (Modifier or additive use); USES (Uses)
(silica-containing aqueous polyester dispersions with stable viscosity)
RN 18536-49-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI)
(CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

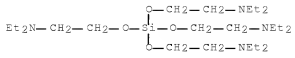
L4 ANSWER 5 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1994:703162 CAPLUS Full-text
DOCUMENT NUMBER: 121:303162
ORIGINAL REFERENCE NO.: 121:55461a,55464a
TITLE: Siloxane release coating for cooking utensils
INVENTOR(S): Nebesar, Karel; Zadak, Zdenek; Krizkova, Eva
PATENT ASSIGNEE(S): Lucebni Zavody S. P. Kolin, Czech Rep.
SOURCE: Czech Rep., 6 pp.
CODEN: CZXXED
DOCUMENT TYPE: Patent
LANGUAGE: Czech
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CZ 278188	B6	19930915	CZ 1991-3415	19911112

PRIORITY APPLN. INFO.: CZ 1991-3415 19911112

AB The title coating comprises a (1-5):1 mixt. of 2 OH-contg. Me Ph siloxane resins where the 1st resin (A) is precondensed and comprises R:Si ratio of 1.6 (R = Me, Ph; Me:Si = 0.91; Ph:Si = 1.35), and the 2nd resin (B) is not precondensed and has R:Si ratio of 1.5 (R as above; Me:Si = 0.37; Ph:Si = 1.13). The above mixture (100 parts) is blended with 10-100 parts MeSi(OEt)3 crosslinking agent, 30-70 parts PhMe, xylene, white spirit, or Me2CO solvent, and also ≤5 parts Si(OCH2CH2NEt2)4 (I) catalyst, ≤20 parts pigment, e.g. TiO2 (rutile), carbon black, Fe oxide red or black, and ≤50 parts filler, e.g. graphite, or (surface-modified) powdered mica. Thus, a composition containing a 2.6:1 A/B siloxane mixture (50% solution in PhMe) 200, I 30, and acetylene carbon black 2 g was ground for 16 h in a ball mill, pearlescent mica (5 g) was stirred into the mixture and homogenized, the resulting composition spray-coated on an Al substrate, and cured for 10 min at 300° to give a tough and resilient film.

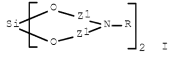
IT 18867-06-6, Tetra[2-(diethylamino)ethoxy]silane
RL: TEM (Technical or engineered material use); USES (Uses)
(crosslinking agent; silicon release coating for cooking utensils)
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI)
(CA INDEX NAME)



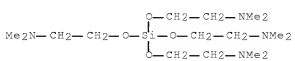
L4 ANSWER 6 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1987:534825 CAPLUS Full-text
DOCUMENT NUMBER: 107:134825
ORIGINAL REFERENCE NO.: 107:21801a,21804a
TITLE: Silicate catalysts for the formation of isocyanurates
INVENTOR(S): Ashida, Kaneyoshi
PATENT ASSIGNEE(S): BP Chemicals Ltd., UK
SOURCE: Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 169708	A2	19860129	EP 1985-305120	19850718
EP 169708	A3	19870204		
EP 169708	B1	19891108		
R: BE, DE, FR, GB, IT, NL				
PRIORITY APPLN. INFO.:			US 1984-635280 A	19840727

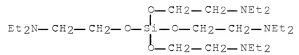
GI



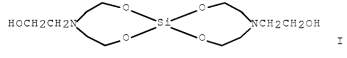
AB The silicates Si[OZ1NR2]4 or I (R = alkyl; Z1 = C2-4 alkylene) are catalysts for trimerization of isocyanates to isocyanurates or formation of isocyanurate groups in isocyanate condensation polymers. Refluxing 0.1 mol PhNCO, 0.01 mol Si(OCH2CH2NMe2)4, and 40 mL C6H6 for 5 h gave 63% tri-Ph isocyanurate.
IT 18536-49-7 18867-06-6
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for trimerization of isocyanates to isocyanurates)
RN 18536-49-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



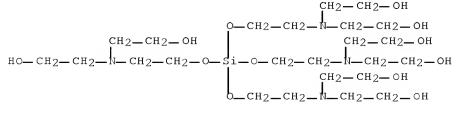
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1982:616453 CAPLUS Full-text
DOCUMENT NUMBER: 97:216453
ORIGINAL REFERENCE NO.: 97:36341a,36344a
TITLE: Synthesis of some nitrogen-containing organosilicon compounds of spiro-cyclic and branched structure
AUTHOR(S): Kondrashov, G. A.; Kondrashova, L. I.
CORPORATE SOURCE: USSR
SOURCE: Deposited Doc. (1981), SPSTL 185 khp-D81, 5 pp. Avail.: SPSTL
DOCUMENT TYPE: Report
LANGUAGE: Russian
GI



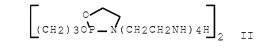
AB Spiro compd. I was prepd. in 98% yield by heating 0.7 mol (EtO)4Si with 1.4 mols N(CH2CH2OH)3 (II) at 170°. Heating 0.25 mol (EtO)4Si with 1 mol II at 140-60° gave 98% Si[OCH2CH2N(CH2CH2OH)2]4.
IT 18985-35-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 18985-35-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-[bis(2-hydroxyethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1982:528671 CAPLUS Full-text
DOCUMENT NUMBER: 97:128671
ORIGINAL REFERENCE NO.: 97:21377a,21380a
TITLE: Molding compositions stabilized against thermolysis with a low monomer content
INVENTOR(S): Buysch, Hans Josef; Pischtschan, Alfred; Humme, Gert; Ott, Karl Heinz
PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 25 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3047443	A1	19820722	DE 1980-3047443	19801217
EP 56115	A2	19820721	EP 1981-110187	19811205
EP 56115	A3	19830316		
R: BE, DE, FR, GB, IT, NL				
JP 57125235	A	19820804	JP 1981-200269	19811214

PRIORITY APPLN. INFO.: DE 1980-3047443 A 19801217
OTHER SOURCE(S): MARPAT 97:128671
GI

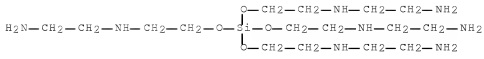


II

AB Heat stabilizers such as 4-[(4-amino-3-methylcyclohexyl)methyl]-3-methoxy- 1-cyclohexanamine [83048-36-6], H2N(CH2)5CONH(CH2NH)5H (I) [83048-39-9], C17H35CONH(CH2CH2NH)3H [32582-85-7], Me2Si(OCH2CH2NH2)2 [15942-80-0], compound II [83048-40-2], P[O(CH2CH2NH)2H]3 [83048-41-3], and amino group-containing polymers are added to acrylonitrile-butadiene-α-methylstyrene-styrene copolymer (III) [25120-20-1] and/or ABS polymer [9003-56-9]. The stabilized polymers contain less monomer after thermal aging than did copolymers containing no stabilizer. Thus, a 26:13:52:9 III containing 1% I contained 93 ppm acrylonitrile and 600 ppm styrene after a 19 s molding cycle at 280, compared with 260 ppm acrylonitrile and 850 ppm styrene for II containing no I.

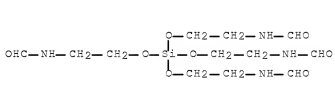
IT 83048-37-7
RL: MOA (Modifier or additive use); USES (Uses)
(heat stabilizers, for acrylonitrile-butadiene-styrene copolymers)

RN 83048-37-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-[(2-aminoethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

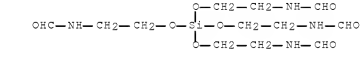
L4 ANSWER 9 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1982:85636 CAPLUS Full-text
DOCUMENT NUMBER: 96:85636
ORIGINAL REFERENCE NO.: 96:14063a,14066a
TITLE: Synthesis of carbofunctional organosilicon compounds. Silicon-containing formamides
AUTHOR(S): Sheludyakov, V. D.; Kirilina, N. I.; Kuznetsova, M. G.; Kisin, A. V.; Kirilin, A. D.
CORPORATE SOURCE: USSR
SOURCE: Zhurnal Obshchei Khimii (1981), 51(8), 1824-9
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 96:85636
AB Si-contg. formamides were prepd. by reaction of org. formates with N-containing compds. Thus, heating (Me3SiOCH2CH2)2NH with CH2:CHCH2O2CH gave 88% (Me3SiOCH2CH2)2NCOH.
IT 77225-31-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 77225-31-1 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(formylamino)ethyl] ester (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

L4 ANSWER 10 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1981:157002 CAPLUS Full-text
DOCUMENT NUMBER: 94:157002
ORIGINAL REFERENCE NO.: 94:25677a,25680a
TITLE: Synthesis of carbofunctional organosilicon compounds. Silicon-containing amides and formamides
AUTHOR(S): Sheludyakov, V. D.; Kirilina, N. I.; Paushkin, Ya. M.; Kirilin, A. D.
CORPORATE SOURCE: Gos. Nauchno-Issled. Inst. Khim.-Tekhnol. Elementoorg. Soedin., Moscow, USSR
SOURCE: Doklady Akademii Nauk SSSR (1980), 254(6), 1412-16 [Chem.]
CODEN: DANKAS; ISSN: 0002-3264
DOCUMENT TYPE: Journal

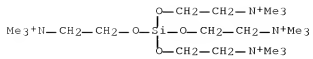
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 94:157002
AB Fifteen title compds., e.g. Me3SiCH2NBz2 (I), Me3SiOCH2CH2NHCHO, were prepared by various methods. Thus, treating Me3SiCH2N(SiMe3)2 with BzCl gave 90% of I.
IT 77225-31-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 77225-31-1 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(formylamino)ethyl] ester (9CI) (CA INDEX NAME)



L4 ANSWER 11 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1979:592819 CAPLUS Full-text
DOCUMENT NUMBER: 91:192819
ORIGINAL REFERENCE NO.: 91:31043a,31046a
TITLE: Chlorides of tetrakis(trialkylaminoalkoxy)silanes and hydrochlorides of tetrakis(dialkylaminoalkoxy)silanes
INVENTOR(S): Mazur, Andrzej; Janczarski, Ireneusz; Rosciszewski, Pawel
PATENT ASSIGNEE(S): Akademia Medyczna, Warszawa, Pol.
SOURCE: Pol., 3 pp.
CODEN: POXXA7
DOCUMENT TYPE: Patent
LANGUAGE: Polish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

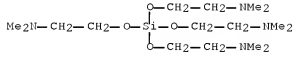
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PL 100405	B1	19781031	PL 1975-180610	19750523
PRIORITY APPLN. INFO.:			PL 1975-180610 A	19750523

AB Si(OZN+R2R1)4 4Cl- (R = Me, Et, Pr; R1 = H, R; Z = C2-C5 alkylene) were prepared by treating HOZN+R2R1 Cl- with SiCl4 at ≤10° in an inert solvent, removing the excess HCl, extracting the product into H2O, concentrating and crystallizing Thus, 55.9 g (0.4 mol) dry choline chloride was saturated with dry HCl until a liquid consistency was reached, 100 mL dry ClCH2CH2Cl added, the solution cooled to 10° and added to 17 g (0.1 mol) SiCl4 in 100 mL ClCH2CH2Cl at 0°, the mixture refluxed to remove the HCl until crystallization ceased and poured into ice-H2O, the layers separated and the aqueous layer concentrated to give Si(OCH2CH2NMe3+)4 4Cl-.
IT 71868-26-3P 71868-27-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 71868-26-3 CAPLUS
CN 5,7-Dioxa-2-aza-6-silanonane-9-triaminium, N9,N9,N9,2,2-pentamethyl-6,6-bis[2-(trimethylammonio)ethoxy]-, chloride (1:4) (CA INDEX NAME)



4 Cl-

RN 71868-27-4 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester, tetrahydrochloride (9CI) (CA INDEX NAME)



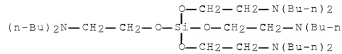
4 HCl

L4 ANSWER 12 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1979:114916 CAPLUS Full-text
DOCUMENT NUMBER: 90:114916
ORIGINAL REFERENCE NO.: 90:18015a,18018a
TITLE: Biological activity of nitrogen-containing organosilicon compounds
AUTHOR(S): Lukevics, E.
CORPORATE SOURCE: Inst. Org. Synth., Riga, USSR
SOURCE: Nobel Symposium (1978), Volume Date 1977, 40(Biochem. Silicon Relat. Probl.), 435-45
CODEN: NOSYBW; ISSN: 0346-8313
DOCUMENT TYPE: Journal
LANGUAGE: English

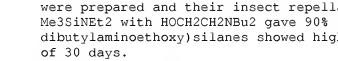
AB The silylation of 2-dibutylaminoethanol to form aminoalkoxysilanes enhanced insect repellent activity against Xenopsylla cheopis. Similar activity was observed with dibutylaminomethylsilanes. Structure-activity relationships for these compds. are discussed. The 3 cyclic organosilicon derivs. of triethanolamine (silatranes) tested increased the formation of proteins and collagen in cartilaginous tissue of chick embryos. However, the silatrane derivs. did not influence the activity of collagen prolyl-hydroxylase. The relationship between the fungistatic and bacteriostatic activities of organosilacon amines and their structures were investigated. The fungistatic activity of primary, secondary, and tertiary aliphatic and heterocyclic amines depended on the distance between the Si and N atoms. The saturated amines produced more activity than the corresponding ethylene and acetylene derivs. Primary and secondary amines had more activity than the corresponding tertiary amines. Organosilicon compds with antibacterial and fungistatic activity greater than nystatin, but with less toxicity were found.

IT 18846-62-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(insect-repellent activity of)
RN 18846-62-3 CAPLUS

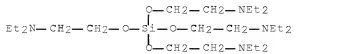
CN Silicic acid (H4SiO4), tetrakis[2-(dibutylamino)ethyl] ester (9CI) (CA INDEX NAME)



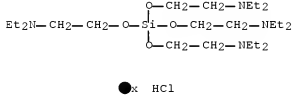
L4 ANSWER 13 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1977:5520 CAPLUS Full-text
DOCUMENT NUMBER: 86:5520
ORIGINAL REFERENCE NO.: 86:959a,962a
TITLE: Nitrogen-containing organosilicon compounds. LIV. Synthesis and insect repellent activity of organosilicon derivatives of amino alcohols
AUTHOR(S): Lukevics, E.; Dremova, V. P.; Smirnova, S. N.
CORPORATE SOURCE: Inst. Org. Sint., Riga, USSR
SOURCE: Latvijas PSR Zinatnu Akademijas Vestis, Kimijas Serija (1976), (4), 454-7
CODEN: LZAKAM; ISSN: 0002-3248
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB Twenty aminoalkoxysilanes and hydroxyethylaminoalkylsilanes e.g., MenSi(OCH2CH2NBu2)4-n (I), n = 0-3) MeEt2SiCH2NR(CH2CH2OH) (R = H, Bu, allyl) were prepared and their insect repellant activities tested. Thus, heating Me3SiNEt2 with HOCH2CH2NBu2 gave 90% I (n = 3). Dialkylbis(2-dibutylaminoethoxy)silanes showed high insect repellant activity over a period of 30 days.
IT 18846-62-3P 18867-06-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and insect repellant activity of)
RN 18846-62-3 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dibutylamino)ethyl] ester (9CI) (CA INDEX NAME)



RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



L4 ANSWER 14 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1977:1717 CAPLUS Full-text
DOCUMENT NUMBER: 86:1717
ORIGINAL REFERENCE NO.: 86:323a,326a
TITLE: Activity of cholinesterase included on silica gel
AUTHOR(S): Janczarski, Ireneusz; Mazur, Andrzej; Witkowski, Krzysztof; Lubaszka, Eugeniusz
CORPORATE SOURCE: Dep. Gen. Chem., Sch. Med., Warsaw, Pol.
SOURCE: Acta Physiologica Polonica (1976), 27(3), 301-6
CODEN: APYPAY; ISSN: 0044-6033
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Cholinesterase (I) was immobilized in a silica gel prepd. by hydrolyzing an aqueous solution of tetrakis(diethylaminoethoxy)silane HCl and I to form a hydrated gel containing entrapped I. The biol. active gel was homogenized with Sephadex G-100 in water to obtain a semiliq. mass with which the reactor was filled. I activity was determined by comparing the pH of the acetylcholine substrate solution entering the reactor with the pH of the reaction products leaving the reactor. The method was suitable for assays of acetylcholine concns. in a range from 10-4-10-2M. This method may be used for the detection of I inhibitors in air, water reservoirs, and rivers.
IT 19494-29-2
RL: BIOL (Biological study)
(in enzyme immobilization)
RN 19494-29-2 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester, hydrochloride (8CI, 9CI) (CA INDEX NAME)



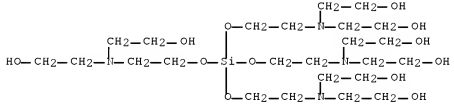
L4 ANSWER 15 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1976:75767 CAPLUS Full-text
DOCUMENT NUMBER: 84:75767
ORIGINAL REFERENCE NO.: 84:12443a,12446a
TITLE: Composition of materials for wall coatings of flour storehouses
AUTHOR(S): Kondrashov, G. A.; Il'vitskii, N. A.; Kuz'menko, N. Ya.; Kuznetsova, V. P.
CORPORATE SOURCE: Krasnodar. Politekh. Inst., Krasnodar, USSR
SOURCE: Izvestiya Vysshikh Uchebnykh Zavedenii, Pishchevaya Tekhnologiya (1974), (6), 84-6
CODEN: IVUPA8; ISSN: 0579-3009
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB Diethoxybis[2-[bis(2-hydroxyethyl)amino]ethoxy]silane (I) [18407-76-6] and tetrakis[2-[bis(2-hydroxyethyl)amino]ethoxy]silane (II) [18985-35-8] can be used as hardeners for ED-20 [52519-66-1] epoxy resin coatings. These coatings are suitable for flour storage bins. I and II were synthesized in 98% yields

by reacting Si(OEt)4 [78-10-4] with HN(CH2CH2OH)2 [111-42-2] in 1:2 and 1:4 mol. ratios resp. The optimum concns. of I and II in ED-20 were 30 and 20% resp. Coatings obtained with these compns. on concrete had 0.24 + 1012 and 0.56 + 1012 ohm cm sp. volume resistance. The min. coated surface inclination angle at which flour began to slide due to gravity was 45.4°.

IT 18985-35-8
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agents, for epoxy coatings for flour bins)

RN 18985-35-8 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-[bis(2-hydroxyethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



L4 ANSWER 16 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1975:156435 CAPLUS Full-text

DOCUMENT NUMBER: 82:156435

ORIGINAL REFERENCE NO.: 82:24981a,24984a

TITLE: Nitrogen-containing organosilicon compounds. LI. Direction of the amino alcoholysis of difunctional alkylsilanes and acetylation of aminoethoxysilanes

AUTHOR(S): Lukevics, E.; Simchenko, L. I.

CORPORATE SOURCE: Inst. Org. Sint., Riga, USSR

SOURCE: Zhurnal Obshchei Khimii (1975), 45(1), 92-8
CODEN: ZOKHA4; ISSN: 0044-460X

DOCUMENT TYPE: Journal

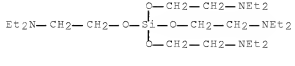
LANGUAGE: Russian

AB The reaction of Et2NCH2CH2OH with difunctional alkylsilanes [e.g. Me2(EtO)SiCl, EtSiHCl2, MeSiH(NEt2)2] gave N-containing compds. [e.g. Me2(EtO)SiOCH2CH2NEt2, EtSiH(OCH2CH2NEt2)2, MeSiH(OCH2CH2NEt2)2]. The reaction depends on the electrophilic nature of the Si atom and the bond energies of the Si-functional group bond. Ac2O reacts with Me3SiOCH2CH2NH2 to give Me3SiOCH2CH2NHAc which subsequently splits off the Me3Si group.

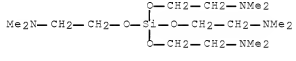
IT 18867-06-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 18867-06-6 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)

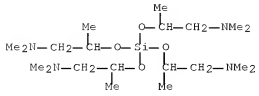


L4 ANSWER 17 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1975:42771 CAPLUS Full-text
DOCUMENT NUMBER: 82:42771
ORIGINAL REFERENCE NO.: 82:6801a,6804a
TITLE: Nitrogen-containing organosilicon compounds. XLV. Spectroscopic study of the structure of 3-aminopropoxysilanes and N-substituted 2-aminoethoxysilanes
AUTHOR(S): Lukevics, E.; Popelis, J.; Simchenko, L. I.
CORPORATE SOURCE: Inst. Org. Sint., Riga, USSR
SOURCE: Zhurnal Obshchei Khimii (1974), 44(8), 1750-3
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB PMR and ir spectra (in DCCl3) of 15 (aminoalkoxy)silanes, e.g., Me3SiOCH2CH2NHCMe3, Me3SiOCHMeCH2NHSiMe3, Me3SiOCH2CH2NMe2, and Me2Si[O(CH2)3NH2]2 showed the occurrence of pπ-dπ interactions between O and Si in [2-(dimethylamino)ethoxy]silanes and (1-amino-2-propoxy)silanes, and between N and Si in [[(trimethylsilyl)amino]alkoxy]silanes.
IT 18536-49-7
RL: PROC (Process)
(ir and NMR of)
RN 18536-49-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)

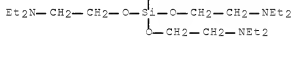


L4 ANSWER 18 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1972:475256 CAPLUS Full-text
DOCUMENT NUMBER: 77:75256
ORIGINAL REFERENCE NO.: 77:12431a,12434a
TITLE: Nitrogen-containing organosilicon compounds. XXXI. Silylation of aminopropanols and aminobutanols
AUTHOR(S): Lukevics, E.; Liberts, L.
CORPORATE SOURCE: Inst. Org. Synth., Riga, USSR
SOURCE: Latvijas PSR Zinatnu Akademijas Vestis, Kimijas Serija (1972), (2), 203-6
CODEN: LZAKAM; ISSN: 0002-3248
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB Silylation of HOZNR2 [Z = (CH2)3, CHMeCH2, CH2CH2CHMe, CH2CMe2; R = H, Me, Et] by (Me3Si)2NH (I), Me3SiNEt2 (II), hexamethylcyclotrisilazane, MeSi(OEt)3, MeSi(OBu)3, and Si(OEt)4 in the presence of Na at 110-50° afforded the corresponding MenSi(OZNR2)4-n in 41.7-82.5% yield; similarly, (HOCH2)2CMeNH2 and I gave 78.6% (Me3SiOCH2)2CMeNH2(III). Silylation of Me3SiOZNH2 [Z = (CH2)3, CHMeCH2] and III by II gave the N, O-bis(trimethylsilyl) derivs. in 41.5-75.3% yield.
IT 28911-46-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 28911-46-8 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)-1-methylethyl] ester (9CI) (CA INDEX NAME)



L4 ANSWER 19 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1971:514472 CAPLUS Full-text
DOCUMENT NUMBER: 75:114472
ORIGINAL REFERENCE NO.: 75:18067a,18070a
TITLE: Nitrogen-containing organosilicon compounds. XXVII. Vibrational spectra of some aminoethoxysilanes
AUTHOR(S): Ignatova, V. A.; Kovalev, I. F.; Voronkov, M. G.; Liberts, L.; Lukevics, E.
CORPORATE SOURCE: Saratov. Pedagog. Inst., Saratov, USSR
SOURCE: Latvijas PSR Zinatnu Akademijas Vestis, Kimijas Serija (1971), (3), 321-8
CODEN: LZAKAM; ISSN: 0002-3248
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB The ir and Raman spectra of 8 aminoethoxysilanes of the type Me4-nSi(OCH2CH2NH2)n and [Me3SiOCH2CH2]nNH3-n, where n = 1-3 and of trimethyl[2-(dibutylamino)ethoxy]silane, tetrakis[2-(diethylamino)ethoxy]silane, and tris[2-(triethylsiloxy)ethyl]amines were measured in the pure liquid state and in CCl4 solns. The ir frequencies and integrated intensities of the characteristic absorption bands are given.
IT 18867-06-6
RL: PRP (Properties)
(spectrum of, vibrational)
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



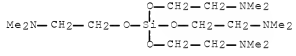
L4 ANSWER 20 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1970:509835 CAPLUS Full-text
DOCUMENT NUMBER: 73:109835
ORIGINAL REFERENCE NO.: 73:17883a,17886a
TITLE: Aminoalkoxysilanes. I. Amino derivatives of alkoxy- and alkylalkoxysilanes
AUTHOR(S): Mehrotra, Ram C.; Bajaj, P.
CORPORATE SOURCE: Chem. Lab., Univ. Rajasthan, Jaipur, India
SOURCE: Journal of Organometallic Chemistry (1970), 24(3),

611-21
CODEN: JORCAI; ISSN: 0022-328X
DOCUMENT TYPE: Journal
LANGUAGE: English

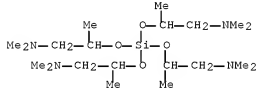
AB (Aminoalkoxy)silanes were prepd. by alcoholysis of tetraethoxymethyltriethoxy- and dimethyldiethoxysilane with aminoalcs. in the presence of the corresponding Na alcoholates. PMR and ir studies show that the compds. are tetrahedral.

IT 18536-49-7P 28911-46-8P 28916-48-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

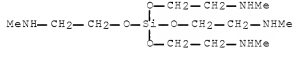
RN 18536-49-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



RN 28911-46-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)-1-methylethyl] ester (9CI) (CA INDEX NAME)



RN 28916-48-5 CAPLUS
CN Ethanol, 2-(methylamino)-, tetraester with silicic acid (H4SiO4) (8CI) (CA INDEX NAME)



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L4 ANSWER 21 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1970:44517 CAPLUS Full-text
DOCUMENT NUMBER: 72:44517
ORIGINAL REFERENCE NO.: 72:8204h,8205a
TITLE: Molded objects or coatings by polymerization of epoxide compounds containing several epoxide groups per molecule

INVENTOR(S): Feichtinger, Hans; Linden, Hanswerner
PATENT ASSIGNEE(S): Ruhrchemie A.-G.
SOURCE: Fr., 7 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

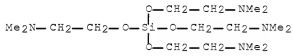
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1573484		19690704	FR	19680705
GB 1208935			GB	
PRIORITY APPLN. INFO.:			DE	19670708

AB Hardened epoxy resins with improved flexural strength, impact strength, chemical resistance, and thermal stability, useful for preparing coatings, paints, and laminates, are prepared by the catalytic polymerization of epoxy compds containing several epoxy groups/mol. in the presence of tetrakis(N,N-dimethylaminoethoxy)silane (I), tetrakis(N,N-dimethylaminopropoxy)silane, or tetrakis(N,N-2,2-tetramethylaminopropoxy)silane. Thus, 100 parts of a diglycidyl ether, epoxy number 0.529, prepared from epichlorohydrin and bisphenol A, was stirred with 2.5 parts I to give a clear yellow product with flexural strength 750-80 kg/cm2, impact strength 19-25 kg-cm/cm2, and Martens heat stability 113°, as compared to 300-800 kg/cm2, 9-13 kg-cm/cm2, and 89° for an epoxy compound hardened with p-C6H4(CH2NMe2)2 instead of I.

IT 18536-49-7, Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester
RL: RCT (Reactant); RACT (Reactant or reagent)
(crosslinking by, of epoxy resins)

RN 18536-49-7 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



L4 ANSWER 22 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1969:511085 CAPLUS Full-text
DOCUMENT NUMBER: 71:111085
ORIGINAL REFERENCE NO.: 71:20657a,20660a
TITLE: Structure-activity relations for aminoalkoxysilanes
AUTHOR(S): Lukevics, E.; Gutberga, S.; Liberts, L.; Kimenis, A.; Voronkov, M. G.
CORPORATE SOURCE: Inst. Org. Sin., Riga, USSR
SOURCE: Latvijas PSR Zinatnu Akademijas Vestis (1969), (8), 60-3
CODEN: LZAVAL; ISSN: 0132-6422
DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB Twenty-seven aminoalkoxysilanes, 6 related amino alcs., and hexamethyldisiloxane were tested i.p. for acute toxicity and effects on rotarod performance in mice. Introduction of organosilyl groups into ethanolamine decreased the LD50 of the latter. With triethanolamine, introduction of such groups increased the LD50. Introduction of organosilyl

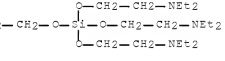
groups into N,N-dialkylethanolamines generally increased the LD50. The ratios of the LD50 to the 50% effective doses for inhibiting rotarod performance were 12.6 and 11.3 for trimethyl[2-(diethylamino)ethoxy]silane and dimethylbis[2-(dimethylamino)ethoxy]silane, resp., but in many cases were only insignificantly >1 and for some were even <1.

IT 18867-06-6

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (pharmacology of)

RN 18867-06-6 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



L4 ANSWER 23 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1968:49046 CAPLUS Full-text

DOCUMENT NUMBER: 68:49046

ORIGINAL REFERENCE NO.: 68:9463a,9466a

TITLE: Hydrochlorides of aminoalkyl esters of silcic acid

INVENTOR(S): Janczarski, Ireneusz; Mazur, Andrzej; Gnat, Tadeusz

SOURCE: Pol., 3 pp.
CODEN: POXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Polish

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PL 52717		19670125	PL	19641222

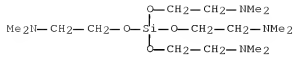
AB The title compds. were prepd. in high yields in the reaction of alkylated aminoalcs. with SiCl4 in an anhydrous medium or in the reaction of alkylated amines with β-chloroethyl silicate (I). The compds. were examined in animals and found suitable for pharmaceutical use. Thus, (a) 90 g. freshly distilled Me2NCH2CH2OH was dissolved in 100 ml. C6H6, 42.4 g. freshly distilled SiCl4 dissolved in 75 ml. C6H6 was dropped in at 5° under stirring, and the mixture was boiled 3-4 hrs. and stirred with a N or CO2 stream. The product of the reaction was filtered off, washed with ligroin and dried at room temperature and under reduced pressure until an aqueous solution of the product showed pH ≤6. (b) Et2NH (101.5 g.) was added to 100 g. I and the mixture was heated at 100° under a pressure <15 atmospheric in a closed vessel during 24 hrs. The product obtained was filtered off, washed with ligroin, dried as before until disappearance of ligroin, and treated with dry HCl until and aqueous solution of the product has pH ≤6.

IT 19494-28-1P 19494-29-2P

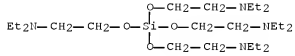
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 19494-28-1 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester, hydrochloride (8CI) (CA INDEX NAME)



RN 19494-29-2 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester, hydrochloride (8CI, 9CI) (CA INDEX NAME)



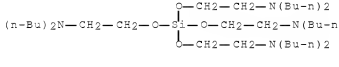
L4 ANSWER 24 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1964:469742 CAPLUS Full-text
DOCUMENT NUMBER: 61:69742
ORIGINAL REFERENCE NO.: 61:12152e-g
TITLE: Stabilized poly(oxymethylenes)
PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
SOURCE: 10 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 927610		19630529	GB 1960-19619	19600602
DE 1152541			DE	
DE 1153896			DE	
DE 1153898			DE	
PRIORITY APPLN. INFO.:			DE	19590604

AB Acylated or alkylated poly(oxymethylene) (I) may be thermally stabilized by the addition of (a) amines and hydrazines of formulas R1R2XN and R1XNNR2R3, where X may be an ester, ether, thio ether carboxamide, urethane, acetal, or nitrate group or an organic radical bonded via Si; (b) amines and hydrazines of formulas R1R2R3N and R1R2NNR2R4; (c) salts of dithiocarbamic acid; (d) cyclic diamines, with o-amine alkyl groups; (e) carboxamides and azines; and (f) aldehydes of tertiary aromatic amines. To 10 g. high-mol.-weight acetylated poly(oxymethylene) suspended in 60-100 g. Me2CO are added 0.4% beeswax and 2% triethanolamine triacetate (II). The Me2CO is removed with stirring, the mixture is shaken for 10 min., dried, and remixed. After melting at 200° for 2 min., the stabilized I was elastic and tough while the unstabilized I was brittle. Inherent viscosity figures were 0.85 before melting and 0.61 (stabilized) and 0.21 (unstabilized) after melting.

IT 18846-62-3

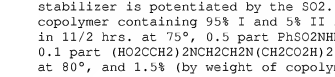
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 18846-62-3 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dibutylamino)ethyl] ester (9CI) (CA INDEX NAME)



L4 ANSWER 25 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1964:469741 CAPLUS Full-text
DOCUMENT NUMBER: 61:69741
ORIGINAL REFERENCE NO.: 61:12152d-e
TITLE: Acrylonitrile polymer solutions
INVENTOR(S): Logemann, Heino; Sueling, Carlhans
PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
SOURCE: 16 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 635916		19631202	BE	
FR 1365150			FR	
PRIORITY APPLN. INFO.:			DE	19620807

AB Acrylonitrile (I) copolymers and homopolymers are mixed with standard stabilizers and dissolved in HCONMe2, AcNMe2, or ethylene carbonate in the presence of 0.5-2% (by weight of polymer) SO2 to give solns. in which the stabilizer is potentiated by the SO2. Thus, 100 parts I-Me methacrylate (II) copolymer containing 95% I and 5% II is dissolved in 400 parts HCONMe2 under N in 11/2 hrs. at 75°, 0.5 part PhSO2NHNHCSNH2, 0.1 part phthalic anhydride, and 0.1 part (HO2CCH2)2NCH2CH2N(CH2CO2H)2 are added. The solution is kept 16 hrs. at 80°, and 1.5% (by weight of copolymer) SO2 is added (as a 20% solution in HCONMe2) to give an E/d (extinction) (620 mμ) of 0.008; 0.016 for the control (absence of SO2).
IT 18846-62-3
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 18846-62-3 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dibutylamino)ethyl] ester (9CI) (CA INDEX NAME)



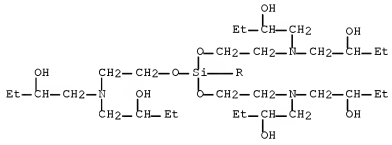
L4 ANSWER 26 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:475393 CAPLUS Full-text
DOCUMENT NUMBER: 57:75393

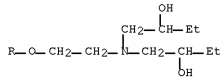
ORIGINAL REFERENCE NO.: 57:14922i,14923a
TITLE: Reactions of aminoalkyl silicates with oxirane compounds
AUTHOR(S): Emblem, H. G.; Hurt, N. A.
SOURCE: Journal of Applied Chemistry (1962), 12, 366-73
CODEN: JACHAU; ISSN: 0021-8871
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB Ethanolamine polysilicate, prepd. from Et polysilicate and ethanolamine, reacts with propylene oxide to give products which gel when mixed with H2O. In contrast, products obtained by treating monoethanolamine orthosilicate or 2-aminobutyl orthosilicate with oxiranes are stable in aqueous solution If the aminoalkyl silicate contains unsubstituted organic groups, a self-condensation of the reaction product is possible. Properties and possible structures are discussed.

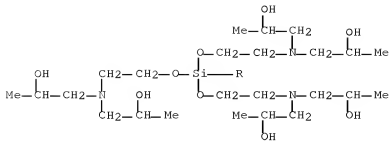
IT 18846-27-0P, 2-Butanol, 1,1'-[(2-hydroxyethyl)imino]di-, silicate 18891-50-4P, 2-Propanol, 1,1'-[(2-hydroxyethyl)imino]di-, silicate 18985-35-8P, Ethanol, 2,2',2''-nitrilotri-, silicate 106713-00-2P, 2-Propanol, 1,1'-[[1-(hydroxymethyl)propyl]imino]di-, silicate
RL: PREP (Preparation)
(preparation of)

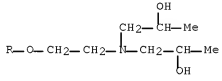
RN 18846-27-0 CAPLUS
CN 2-Butanol, 1,1'-[(2-hydroxyethyl)imino]di-, N,N',N'',N'''-tetraester with silicic acid (H4SiO4) (8CI) (CA INDEX NAME)



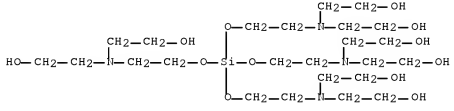


RN 18891-50-4 CAPLUS
CN 7,9-Dioxa-4,12-diaza-8-silapentadecane-2,14-diol, 8,8-bis[2-[bis(2-hydroxypropyl)amino]ethoxy]- (8CI) (CA INDEX NAME)

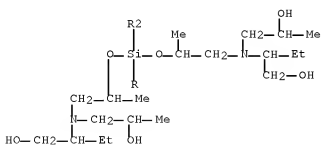


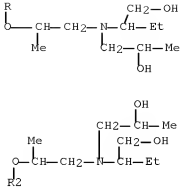


RN 18985-35-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-[bis(2-hydroxyethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



RN 106713-00-2 CAPLUS
CN 2-Propanol, 1,1'-[[1-(hydroxymethyl)propyl]imino]di-, silicate (7CI) (CA INDEX NAME)





L4 ANSWER 27 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:475392 CAPLUS Full-text
DOCUMENT NUMBER: 57:75392
ORIGINAL REFERENCE NO.: 57:14922g-i
TITLE: Synthesis and pharmacological effects of bis(trialkylammonium)alkanol carbonates
AUTHOR(S): Pohoryles, Leo A.; Wislicki, L.; Sarel, Shalom
CORPORATE SOURCE: Hebrew Univ., Jerusalem, Israel
SOURCE: Journal of Pharmaceutical Sciences (1962), 51, 348-51
CODEN: JPMSAE; ISSN: 0022-3549
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB By the phosgenation of the appropriate ω-dialkylaminoalkanol followed by the quaternization of the corresponding base by ?MeI, the following bis(trialkylammonium)alkyl carbonate diiodides were prepared (m.p. and yield given): trimethyl-ammoniumethyl (I), 203-5°, 50-60%; 1-trimethylammonium-2-propyl (II), 242°. 18%; 1-trimethylammonium3-propyl (III), 166-7°, 65%; 1-dimethylammonium-3propyl (IV), 189°, 40%; 1-diethylmethylammonium-3propyl (V), 197-9°, 60%; 1-trimethylammonium-4-butyl (VI), 186°, 57%; 1-trimethylammonium-4-butyl (VII), 280° (decomposition)., -. Blood pressure was lowered without affecting the muscle twitch by I. Neuromuscular transmission and direct muscle excitability were depressed by VI, III, and I in that order. All effects were weaker in II, IV, V and VII.

IT 106713-00-2P, 2-Propanol, 1,1'-[[1-(hydroxymethyl)propyl]imino]di-, silicate
RL: PREP (Preparation)
(preparation of)
RN 106713-00-2 CAPLUS
CN 2-Propanol, 1,1'-[[1-(hydroxymethyl)propyl]imino]di-, silicate (7CI) (CA INDEX NAME)

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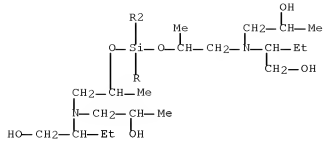
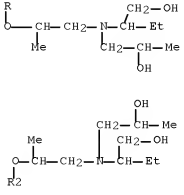


PAGE 2-A



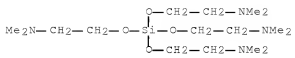
L4 ANSWER 28 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:448753 CAPLUS Full-text
DOCUMENT NUMBER: 57:48753
ORIGINAL REFERENCE NO.: 57:9642a-c
TITLE: Alkoxides of vanadium(IV)
AUTHOR(S): Bradley, D. C.; Mehta, M. L.
SOURCE: Canadian Journal of Chemistry (1962), 40, 1183-8
CODEN: CJCHAG; ISSN: 0008-4042
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB Reaction of VCl4 and LiNEt2 form V(NEt2)4, which, when treated with aliphatic alcohols, give alkoxides V(OR)4 (I). Since I is sensitive to O and moisture, preparation was done under N. Secondary and tertiary alkoxides were monomeric, but the primary alkoxides were strongly associated I resembled the Ti analog in vapor pressure measurements. I isolated were (R given): Me (decomposed at 200°); Et (b0.05 100-10°); Pr (b0.5 140-50°); iso-Pr (b0.1 70-80°); Bu (b0.5 150-60°); sec-Bu (b0.05 81°); iso-Bu (b0.05 114°); tert-Bu (b0.1 60-70°); Am (b0.5 160°); iso-Am (b0.1 112°); sec-Am (b0.5 142°); CHMePr (b0.05 110°); CHMePr-iso (b0.05 104°); CHEt2 (b0.05 108°); CMe2Et (b0.05 83°); CMe2Pr (b0.05 111°); CEt3 (b0.05 128°).

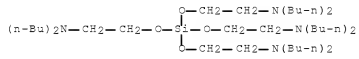
IT 18536-49-7 18846-62-3
(Derived from data in the 7th Collective Formula Index (1962-1966))

RN 18536-49-7 CAPLUS

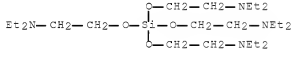
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



RN 18846-62-3 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dibutylamino)ethyl] ester (9CI) (CA INDEX NAME)

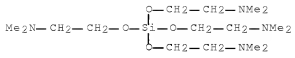


IT 18867-06-6P, Ethanol, 2-(diethylamino)-, silicate
RL: PREP (Preparation)
(preparation of)
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)

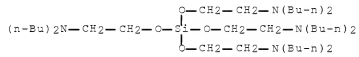


OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

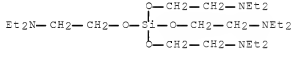
L4 ANSWER 29 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:448752 CAPLUS Full-text
DOCUMENT NUMBER: 57:48752
ORIGINAL REFERENCE NO.: 57:9642a
TITLE: Preparation and properties of some aminoalkoxysilanes
AUTHOR(S): Emblem, H. G.; Harrison, A. K.
SOURCE: Journal of Applied Chemistry (1962), 12, 5-9
CODEN: JACHAU; ISSN: 0021-8871
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB The prepn. and properties of four tetrakis(aminoalkoxy)silanes and three tetrakis(2-aminoethoxy)silanes is described.
IT 18536-49-7 18846-62-3
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 18536-49-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



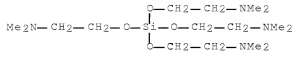
RN 18846-62-3 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dibutylamino)ethyl] ester (9CI) (CA INDEX NAME)



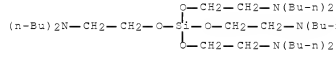
IT 18867-06-6P, Ethanol, 2-(diethylamino)-, silicate
RL: PREP (Preparation)
(preparation of)
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



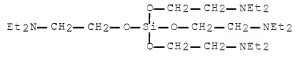
L4 ANSWER 30 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:448751 CAPLUS Full-text
DOCUMENT NUMBER: 57:48751
ORIGINAL REFERENCE NO.: 57:9641i,9642a
TITLE: Reactivity of organophosphorus compounds. XIII. Radical-chain transfer reactions of triethyl phosphite: a new phosphorothiolate synthesis
AUTHOR(S): Bunyan, P. J.; Cadogan, J. I. G.
CORPORATE SOURCE: Univ. London
SOURCE: Journal of the Chemical Society (1962) 2953-8
CODEN: JCSOA9; ISSN: 0368-1769
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. CA 57, 4577c. Reinvestigation of the reaction between BrCCl3 and tri-Et phosphite has revealed the formation of CCl4 as a main product; reaction in the presence of BuSH gave S-Bu di-Et phosphorothioate in excellent yield. These and related reactions are discussed in terms of a radical-chain mechanism.
IT 18536-49-7 18846-62-3
(Derived from data in the 7th Collective Formula Index (1962-1966))
RN 18536-49-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



RN 18846-62-3 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dibutylamino)ethyl] ester (9CI) (CA INDEX NAME)



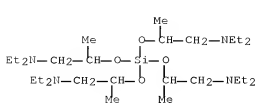
IT 18867-06-6P, Ethanol, 2-(diethylamino)-, silicate
RL: PREP (Preparation)
(preparation of)
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L4 ANSWER 31 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:18393 CAPLUS Full-text
DOCUMENT NUMBER: 56:18393
ORIGINAL REFERENCE NO.: 56:3502c-d
TITLE: Silicate esters and related compounds
AUTHOR(S): Abbott, A. Doyle; Wright, James R.; Goldschmidt, Alfred; Stewart, William T.; Bolt, Robert O.
CORPORATE SOURCE: California Research Corp., Richmond
SOURCE: Journal of Chemical and Engineering Data (1961), 6, 437-42
CODEN: JCEAAX; ISSN: 0021-9568
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB -Data are given for phys. and chem. properties of 49 tetraalkoxysilanes, hexaaikoxydisilanes, polyalkoxysiloxanes, and bis(trialkoxysilyl) ethanes, phys. properties of 20 silicate derivs. of ali phatic and aromatic diols, and 9 miscellaneous silicate derivs. A discussion of hydrolytic stability is given.
IT 18881-85-1, 2-Propanol, 1-(diethylamino)-, silicate
(properties of)
RN 18881-85-1 CAPLUS

CN 2-Propanol, 1-(diethylamino)-, tetraester with silicic acid (H4SiO4) (8CI) (CA INDEX NAME)



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

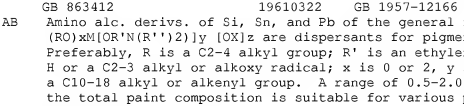
L4 ANSWER 32 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1961:108859 CAPLUS
DOCUMENT NUMBER: 55:108859
ORIGINAL REFERENCE NO.: 55:20454c-d
TITLE: Pigment dispersant for paint compositions
INVENTOR(S): Koehler, James Oscar; Lamprey, Headlee
PATENT ASSIGNEE(S): Union Carbide Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 863412		19610322	GB 1957-12166	19570415

AB Amino alc. derivs. of Si, Sn, and Pb of the general formula (RO)xM[OR'N(R'')2)]y [OX]z are dispersants for pigments in organic vehicles. Preferably, R is a C2-4 alkyl group; R' is an ethylene radical; R'' is either H or a C2-3 alkyl or alkoxy radical; x is 0 or 2, y is 0-4, z is 0-2; and X is a C10-18 alkyl or alkenyl group. A range of 0.5-2.0 weight % dispersant of the total paint composition is suitable for various pigment types.

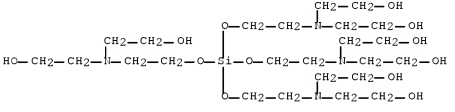
IT 18985-35-8
(Derived from data in the 6th Collective Formula Index (1957-1961))

RN 18985-35-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-[bis(2-hydroxyethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



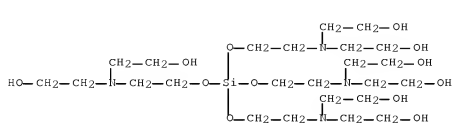
L4 ANSWER 33 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1961:108858 CAPLUS Full-text
DOCUMENT NUMBER: 55:108858
ORIGINAL REFERENCE NO.: 55:20454b-c

TITLE: The development of suitable ascending solvents for resins in paper chromatography
AUTHOR(S): Weigel, K.
SOURCE: Farbe + Lack (1961), 67, 294-8
CODEN: FALAAA; ISSN: 0014-7699
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB The movement on filter paper of bleached shellac, Cellolyn 104, and two alkyds with respect to various alcs., esters, ketones, glycol ethers, aromatic, aliphatic, and chlorinated solvents was investigated in open air to develop a simple identification method.
IT 18985-35-8
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 18985-35-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-[bis(2-hydroxyethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



L4 ANSWER 34 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1960:33829 CAPLUS Full-text
DOCUMENT NUMBER: 54:33829
ORIGINAL REFERENCE NO.: 54:6519g-i,6520a
TITLE: Alkanolamine silicate derivatives
AUTHOR(S): Koehler, J. O.; Lamprey, H.
CORPORATE SOURCE: Natl. Carbon Research Labs., Parma, O.
SOURCE: Advances in Chemistry Series (1959), 23, 217-24
CODEN: ADCSAJ; ISSN: 0065-2393
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB Et2NCH2CH2OH (238.9 g.) and 212.5 g. (EtO)4Si were heated until EtOH evolution ceased and then distilled to give 95% (EtO)2Si(OCH2CH2NEt2)2, b7 160-2°. Alternately, to 189 g. (EtO)2SiCl2 in 300 ml. of dry C6H6 was added 305 g. HOCH2CH2NH2 (the temperature kept below 20°), the whole refluxed 1 hr., cooled, filtered and the filtrate distilled to give 90% (EtO)2Si(OCH2CH2NH2)2, b7 96-7°. The first procedure was used to prepare the following (EtO)2Si(OR)2 derivs. (R, % yield, and b.p./mm. given): HOCH2CH2NHCH2CH2, 98, -; (HOCH2CH2)2NCH2CH2, 100, -; EtNHCH2CH2, 98, 111°/2; Et2NCH2CH2, 100, 180°/7; Bu2NCH2CH2, 92, 139-40°/0.8; (BuEtCHCH2)2NCH2CH2, 100, -; iso-Pr2NCH2CH2, 96, 135°/1.0; PhNHCH2CH2, 96, 118°/0.3; PhEtNCH2CH2 95, 138°/0.3; PhCH2NHCH2CH2, 100, 135°/0.3; (HOCHCH)2NCH2CH2, 93, -; iso-Pr2NCH2CHMe, 95, 117-18°/1.0; H2NCH2CHMe, 98, 110-11°/6.0. Also the following: Bu2Si[OCH2CH2N(CH2CH2OH)2]2, 96, -; (PrO)2Si{OCH2CH2N[OCH2CH2N(CH2CH2OH)2]2}2, 95, -; Si[OCH2CH2N(CH2CH2OH)2]4, 94 -. Quaternary salts were also prepared from (MeO)2Si(OCH2CH2N(CH2CH2OH)2]2 and lauric, palmitic, stearic, oleic, ricinoleic, linoleic and eleostearic acid (no phys. properties given). These compds. are useful in resins, rubber, and paints.
IT 18985-35-8
(Derived from data in the 6th Collective Formula Index (1957-1961))

RN 18985-35-8 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-[bis(2-hydroxyethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



L4 ANSWER 35 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER:	1960:33828 CAPLUS Full-text
DOCUMENT NUMBER:	54:33828
ORIGINAL REFERENCE NO.:	54:6519a-g
TITLE:	Synthesis of alkylsilylphosphines
AUTHOR(S):	Parshall, G. W.; Lindsey, R. V., Jr.
CORPORATE SOURCE:	E.I. du Pont de Nemours & Co., Wilmington, DE
SOURCE:	Journal of the American Chemical Society (1959), 81, 6273-5 CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE:	Journal
LANGUAGE:	Unavailable

AB A series of alkylsilylphosphines was synthesized from alkylchlorosilanes with Li derivs. of PH3 and substituted phosphines. BuLi from 8.5 g. Li, 68.5 g. BuBr, and 900 cc. dry Et2O treated under N with a stream of PH3 during about 1 hr., the resulting yellow slurry treated with stirring during 15 min. at 0-10° with 50 g. Me3SiCl (I), warmed to room temperature, filtered under N, and the filtrate diluted under 5 mm. pos. pressure gave 0.4 g. Me3SiPH2 (II), spontaneously flammable liquid, b. 69-73°, 12.3 g. (Me3Si)2PH (III), spontaneously flammable liquid, b. 170-2°, n25D 1.4637, and 8.2 g. (Me3Si)3P (IV), b. 242-3°, n25D 1.5027. A similar run in which the PH3 was passed over the surface of the BuLi solution yielded 45% IV. BuLi in Et2O added dropwise to Et2O saturated with PH3 and the mixture treated with I gave 30% II, b. 77.5°, n25D 1.4368. BuLi from 1.75 g. Li, 13.7 g. BuBr, and 60 cc. Et2O treated with stirring at 0° under N with 15.0 g. III in 10 cc. Et2O during 10 min., the mixture treated rapidly with 9.2 g. I, warmed to room temperature under N, and filtered, and the filtrate distilled gave 13.8 g. IV, b. 243-4°, n25D 1.5028. IV (0.90 g.) in 9 cc. tetrahydrofuran cooled to -190°, evacuated to 0.02 mm., treated with diborane (150 cc. at 27°/224 mm.), sealed in a Carius tube, and evaporated in vacuo, and the sticky residue sublimed at 0.01 mm. gave crystalline (Me3Si)3P.BH3, m. 100-7° (decomposition); it decompose slowly at room temperature and forms moderately stable solns. in dry Me2Cl, tetrahydrofuran, and Me2CO. IV (2.9 g.) in 10 cc. PhCl treated dropwise with stirring at 0° with 0.7 g. NO2 in 10 cc. PhCl, the excess NO2 evaporated, and the residue distilled gave 1.4 cc. (Me3SiO)3PO, b0.2 48-50° n25D 1.40-87, and 0.4 g. (Me3Si)2O, b. 101-2°, n25D 1.3837. PH3 rapidly bubbled through BuLi from 8.5 g. Li, 68.5, g. BuBr, and 300 cc. Et2O, the mixture treated dropwise at 0° with stirring with 60 cc. Et2SiCl2 (V), warmed to room temperature, filtered under N, and distilled gave 3.5 cc. 2,2,4,4-tetraethyl-1,3-diphospha-2,4-disiletane (VI), b0.06 107-10°, n25D 1.5829, and 3.8 cc. 2,2,4,4,5,5-hexaethyl-1,3-diphospha-2,4,5-trisilabicyclo[1.1.1]heptane, b0.05 130-4°, n25D 1.6012. PhLi from 3.0 g. Li, 31.4 g. PhBr, and 150 cc. Et2O treated during 10 min. with 9.1 g. PhPH2, the mixture stirred 1 hr. at room

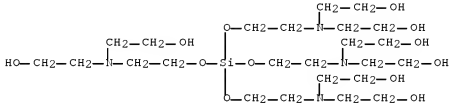
temperature, treated dropwise with 11.8 cc. V during 10 min., stirred 2 hrs., filtered, and distilled gave 3.5 g. 1,3-di-Ph derivative of VI, b0.02 151-3°, needles, m. 43-7° (petr. ether). BuLi from 2.1 g. Li, 16.0 g. BuBr, and 75 cc. Et2O treated with stirring and cooling at 0-10° with 6.1 g. II in 25 cc. Et2O during 10 min., warmed to room temperature, filtered under N, and distilled gave 1.6 cc. 1,3-di-Me3Si derivative of VI, b0.2 96-8°, n25D 1.5522; it solidified to needles slightly below room temperature

IT 18985-35-8

(Derived from data in the 6th Collective Formula Index (1957-1961))

RN 18985-35-8 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-[bis(2-hydroxyethyl)amino]ethyl] ester (9CI) (CA INDEX NAME)



OS.CITING REF COUNT: 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

L4 ANSWER 36 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1959:111252 CAPLUS

DOCUMENT NUMBER: 53:111252

ORIGINAL REFERENCE NO.: 53:19877a-c

TITLE: Chloromethylated O,O-dialkylthiophosphates

INVENTOR(S): Scherer, Otto; Hahn, Helmut; Stahler, Gerhard

PATENT ASSIGNEE(S): Farberke Hoechst AG vorm. Meister Lucius & Bruning

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1015794		19570919	DE 1955-F19209	19551231
US 3020304		19620206	US 1957-684403	19570917

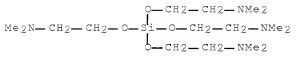
AB K O,O-di-Et thionothiolphosphate (336 g.) and 1000 g. BrCH2Cl (I) was heated 24 hrs. at 60°, the KBr filtered off, and the I distilled to give S-chloromethyl-O,O-diethyl thionothiolphosphate, b1 93-5°; Similarly were prepared: S-chloromethyl O,O-dimethyl thionothiolphosphate, b10 100°; O-chloromethyl O,O-diethyl thionophosphate, b1.5 118-22°. The compds. thus prepared were useful as insecticides.

IT 18536-49-7

(Derived from data in the 6th Collective Formula Index (1957-1961))

RN 18536-49-7 CAPLUS

CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)

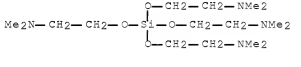


L4 ANSWER 37 OF 37 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1959:111251 CAPLUS
DOCUMENT NUMBER: 53:111251
ORIGINAL REFERENCE NO.: 53:19876i,19877a
TITLE: Aminoalkyl silicates
INVENTOR(S): Beinfest, Sidney; Adams, Phillip; Milius, Howard
PATENT ASSIGNEE(S): Berkeley Chemical Corp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

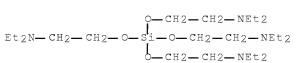
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2885419		19590505	US 1956-612058	19560925

AB A new chemical, tetrakis(diethyl-aminoethyl) silicate (I), was used as a stone preservative, weather proofing and H2O proofing agent. I was prepared by mixing 522 g. 2-(diethylamino)ethanol (II) and 208 g. Et silicate and heating at 110°; after 5 hrs. 95% EtOH had distilled The pressure was lowered and the EtOH plus excess II distilled was 437 g., consisting of 90% liquid, b. 225-30°/5 mm., d25 0.922. Similarly were prepared: tetrakis(dimethylaminoethyl) silicate, b. 168-73°/6 mm.; bis(β-diethylaminoethyl)dicetyl silicate; dicetylbis(2-aminoethyl) silicate; monocetyltris(β-diethylaminoethyl) silicate, and bis(β-aminoethyl)ditridecyl silicate, d25 0.912.

IT 18536-49-7
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 18536-49-7 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(dimethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



IT 18867-06-6P, Ethanol, 2-diethylamino-, silicate
RL: PREP (Preparation)
(preparation of)
RN 18867-06-6 CAPLUS
CN Silicic acid (H4SiO4), tetrakis[2-(diethylamino)ethyl] ester (8CI, 9CI) (CA INDEX NAME)



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OS.CITING REF COUNT:      2     THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
                                (2 CITINGS)


=> FILE STNGUIDE
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        210.68     396.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -30.34     -30.34

FILE 'STNGUIDE' ENTERED AT 13:50:32 ON 29 SEP 2009
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Sep 25, 2009 (20090925/UP).

=> LOG Y

     (FILE 'HOME' ENTERED AT 13:47:19 ON 29 SEP 2009)

     FILE 'REGISTRY' ENTERED AT 13:47:41 ON 29 SEP 2009
L1              STRUCTURE UPLOADED
                D
L2            2 SEA FILE=REGISTRY SSS SAM L1
L3           18 SEA FILE=REGISTRY SSS FUL L1

     FILE 'CAPLUS' ENTERED AT 13:48:12 ON 29 SEP 2009
L4           37 SEA FILE=CAPLUS SPE=ON  PLU=ON  L3
                D L4 1-37 IBIB ABS HITSTR

     FILE 'STNGUIDE' ENTERED AT 13:50:32 ON 29 SEP 2009
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                          3.08     399.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                          0.00     -30.34

STN INTERNATIONAL LOGOFF AT 14:16:51 ON 29 SEP 2009
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